



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/977,687	10/16/2001	Craig R. White	10011785-1	3774
22879 7590 09/03/2009 HEWLETT-PACKARD COMPANY Intellectual Property Administration 3404 E. Harmony Road Mail Stop 35 FORT COLLINS, CO 80528				
EXAMINER				
ALL HATEM M				
ART UNIT		PAPER NUMBER		
3692				
NOTIFICATION DATE		DELIVERY MODE		
09/03/2009		ELECTRONIC		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

JERRY.SHORMA@HP.COM

ipa.mail@hp.com

jessica.Lfuseck@hp.com

### Office Action Summary

**Application No.**

09/977,687

**Applicant(s)**

WHITE, CRAIG R.

**Examiner**

HATEM ALI

**Art Unit**

3692

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04 May 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1, 2, 5-8, 21 and 23-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-2, 5-8, 21, 23-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/C)
- Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. The following is a **Final Action** on merits in response to the communication received on **5/04/09**.

#### *Acknowledgment*

2. **Claim** status:

- ❖ Claims **cancelled** : **3-4** and **22**
- ❖ Claims **amended**: **21, 7, and 25**
- ❖ Claims are **pending**: **1-2, 5-8, 21, and 23-26**

#### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of **35 U.S.C. 103(a)** which forms the basis for all obviousness rejections set forth in this Office action:

**(a)** A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 1-2, 5-8, 21, and 23-26** are rejected under 35 U.S.C. 103 (a) as being unpatentable over **Yamaguchi** (6,385,675) in views of **Okuda** et al (7,034,952) and **Aikens** et al (6,216,113).

**As per claim 1 Yamaguchi** discloses an electronic transaction recording system for accumulating data from a printer device (a digital copying machine **100**), the system comprising:

billing policies database which includes billing policies for printer device having an owner and a user (col.3, lines 9+; via accounting operation [implied for billing] is carried out based on parameters ... name of the users [implied owner or other users-discountable or not]

a billing manager which is implemented by a processor, coupled to the billing policies database and the printer device, and uses at least one of the billing policies to determine a cost of each operation performed on the printer device (col.3, lines 22+; via processor 101, software specific program or the specific parameters may be changed upon inputting a password or by carrying out a special operation for that purpose [implied for determining a cost of each operation performed) and also (col.2 ; via account processor 101H and accounting program and operations for costing and implied and inherent billing system) and col.2, lines 60-62; via accounting program inherently processing cost of each operation);

a billing system (col.2, line 60+; via account processor 101 H for processing the cost of the job based on the accounting program and a controller controlling 101 I the accounting operations ... changing of the accounting programs), which accumulates information on usage of the printer device by the user, generates an accounting of usage based on the accumulated information and associates the accounting of usage with a predetermined unit of usage (col.2, lines 62-67 and col.3, lines 1-3); and

wherein the billing system periodically updates the account information of the user of the printer device and issues an accounting of costs to the user (col. 2, lines 27-

35 and **col.3**, lines 4-8 ; via the account notice ... to appropriate each host computer **102** ... as requested by the user [implied any users including owner];

**Yamaguchi** did not disclose explicitly an account records database, which stores account information of the user of the printer device in terms of the predetermined unit of usage and wherein the billing system accumulates information on usage of the printer device by the owner of the printer device, and only bill the owner of the printer device for net usage of the printer device.

However, **Aikens** being in the same field of invention discloses an account records database, which stores account information of the user of the printer device in terms of the predetermined unit of usage and wherein the billing system accumulates information on usage of the printer device by the owner of the printer device, and only bill the owner of the printer device for net usage of the printer device (**Abstract** and **col.1**, lines 41+ ; via a printing machine billing system, mode of operation to determine a billing charge and billing charge of the totalizer is charged to a given account number [implied individual account number f owner or users])

Therefore, it would have been obvious to an ordinary skill in the art at the time of invention was made to modify the features mentioned by **Yamaguchi** to include the disclosures as taught by **Aikens** to facilitate the billing charge selectively individuals [implied could be only billing to the owner's account as required] or groups of individuals for network usage of printers

**Yamaguchi** did not explicitly disclose [wherein] the billing system credits the owner of the printer device an amount corresponding to the predetermined unit of usage of the printer device by the user

However, **Okuda** being in the same field of invention discloses that the billing system credits the owner of the printer device an amount corresponding to the predetermined unit of usage of the printer device by the user (**Fig.15-20** and **col.8-9**; via **print service shop** with ID "0001" [printer owner as building or department, refers applicant's spec. Page 9, para 2] is credited [implied with royalty of 4.5% {line 20} from the predetermined reference table record managed and updated by information unit **458** and also **col.7-8**; via server **100** with user charge management and records].

Therefore, it would have been obvious to an ordinary skill in the art at the time of invention was made to modify the features mentioned by **Yamaguchi** to include the disclosures as taught by **Okuda** to facilitate the royalty payment to the print service shop per pre-set reference table data and user's use records.

**As per claims 2, Yamaguchi** discloses that the predetermined unit of usage is a token (**col.1**, lines 35-55, via page unit as token and plurality of operational mode as event and based on command from the host computer make the total charge for the printing to the host computer through a circuit **100F** for managing and logging each job as an account).

**Claims 3-4** (cancelled)

**As per claims 5 and 6, Yamaguchi** discloses all the elements of the claimed invention, but fails to explicitly disclose a mobile access unit coupled to the billing manager, wherein the mobile access unit indicates content to be printed at the printer device and selected from the group consisting of a personal digital assistant, a wireless telephone and a mobile computer.

However, **Okuda** being in the same field of invention discloses a mobile access unit coupled to the billing manager, wherein the mobile access unit indicates content to be printed at the printer device and selected from the group consisting of a personal digital assistant, a wireless telephone and a mobile computer (**Figs.2-3** and **col.3**, lines 4-9 and 27-51; via mobile telephone or portable PC are used as the user terminal **102** to a system of the print service shop **101**).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made to modify the disclosure and features mentioned by **Yamaguchi** and to include the teachings of **Okuda** to facilitate in order to handle a print request from the mobile user terminals connected through the Internet having web browser facilities.

**As per claim 7, Yamaguchi** discloses that a configuration unit coupled to the billing policy database for updating and configuring billing policies for new users of the printer device (**col.2**, lines 65-67; via the host computers-**102** may be new users to be configured by the controller **101 I**).

**As per claims 8, Yamaguchi** did not explicitly disclose that the printing system is selected from a back office printing system and Internet Settlement Model.

However, **Okuda** being in the same field of invention discloses the printing system is selected from a back office printing system and Internet Settlement Model (**col.4**, lines 35-47; via the fee computer **408**, the settlement maker **409** and settlement information unit **457** with print service server **100**, inherently charges printing fees and does the back office billing system online [**Internet**]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made to modify the disclosure and features as mentioned by **Yamaguchi** to include the teachings of **Okuda** to facilitate a fee collector (**508**) to collect charge amount by means of prepaid card or the like

**Claims 9-20** (Cancelled)

**As per claims 21, 23 and 24** **Yamaguchi** discloses the system comprising:

wherein the system further comprises a plurality of printer devices connected over a network (**col. 2**, lines 15-30),

the printing manager (**Fig.2, col.2**; line 63; via controller **101 I** for controlling the account operation) is coupled to each printer device for determining the amount of printer usage and associating a predetermined amount of token values with the amount of printer usage (**col.2**, lines 62-67 and **col. 3**, lines 1-3); and

a printing policies database, which includes billing policies for the printer devices such that the each printer device uses at least one billing policy to determine a cost of each operation, performed on the printer (**col.2**, lines 27-35 and **col.3**, lines 4-8 and inherent programmed function for cost of each operation).



**Yamaguchi** did not explicitly disclose a system comprising: a mobile access unit containing content which is to be printed; each printer device can receive the content from the mobile access unit and print the content in responses to an authorization process and the system, wherein the mobile access unit is selected from a personal digital assistant, a wireless telephone, and a mobile computer and wherein the mobile access unit transmits using a wireless link.

However, **Okuda** being in the same field of invention discloses that a mobile access unit containing content which is to be printed and each printer device can receive the content from the mobile access unit and print the content in responses to an authorization process and the system, wherein the mobile access unit is selected from a personal digital assistant, a wireless telephone, and a mobile computer and wherein the mobile access unit transmits using a wireless link (**col.3; Fig.2**; via mobile telephone as user terminal **102** has a function of a data terminal, internet, gateway server and user verification [implied relation to acceptance] and the like ; **col.4**; lines 11-16; via the job collector **403** accept job data mainly print request from a user and **Fig.3**; via Notebook **PC**)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made to modify the disclosure and features mentioned by **Yamaguchi** to include the teachings of **Okuda** to facilitate the acceptance of verified print request from online users for printing services.

**Claim 22** (cancelled).

As per claim 25, *Yamaguchi* discloses the system of claim 21, further comprising a user configuration unit coupled to the printing policies database for updating and configuring printing policies for new users of the printer devices (**col.2**, lines 65-67; via the controller **101**, I control the copying machine **100** to carry out a function specified by host computers **102** inherently payment policies related to new users).

**Claim 26** is rejected as per the reasons set forth in the claim **8**

#### ***Response to Arguments***

5. **Applicant's arguments** with respect to claims **1-2, 5-8, 21, and 23-26** have been considered but are **moot** in view of the new ground(s) of rejection.

In response to **Applicant's** Remarks (page 5, para 6 to page 8, para 2) that "Claim Rejection under 35 U.S.C 103 ... a billing policy database ... printer device ... Regarding the Okuda reference ... usage of the printer device as claimed I independent claim 1" the Examiner observed respectfully the arguments and added a new prior art of **Aikens** necessitated by for new amendments(**Abstract** and **col.1**, lines 41+ ; via a printing machine billing system, mode of operation to determine a billing charge and billing charge of the totalizer is charged to a given account number [implied individual account number of owner or users]) for further clarification.

**Moreover**, it is understood that all reference cited to teach and suggest the concept of invention, but not the complete invention applied for. And it is also noted that all references are to be considered as a whole of their entirety.

***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HATEM ALI whose telephone number is (571)270-3021. The examiner can normally be reached on 8.00 to 6.00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Abdi can be reached on 571-272-6702. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Harish Dass  
Primary Examiner,  
Art Unit 3692

Hatem Ali  
Examiner  
Art Unit 3692

/Harish T Dass/

Primary Examiner, Art Unit 3692